

OWNER: Virginia Wildlife Clubs, Inc.

VDMR: 2042

Lake of the Woods, Wakefield Div. Well #5

WWCR: 72

DRILLER: Sydnor Hydrodynamics, Inc.

TOTAL DEPTH: 342'

COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

Depth in feet

0-15	Hornblende gneiss -- medium-gray, fine-grained; hornblende, sericite, chlorite, quartz, and minor pyrite
15-30	"
30-45	"
45-65	" with trace of bornite
65-80	Chlorite schist -- medium-gray, fine-grained; chlorite, sericite, quartz, feldspar, and minor pyrite
80-95	"
95-110	"
110-125	Sericite schist -- light-tan to white, weathered; very calcareous, quartzose
125-140	Chlorite schist and phyllite -- light greenish-gray, very calcareous; vein calcite and pyrite
140-155	Calcareous chlorite schist -- light-greenish-gray schist or schistose marble, with white vein calcite
155-170	" with considerable weathered material and vein quartz
170-185	" "
185-200	Chlorite schist -- greenish-gray, talcose; calcareous; chlorite, sericite, calcite, quartz, feldspar, and pyrite
200-215	"
215-230	"
230-245	"
245-260	" very calcareous
260-275	" "

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods #2042  
(Wakefield Division Well #5)

275-290 Chlorite schist - greenish-gray, talcose; calcareous;  
chlorite, sericite, calcite, quartz, feldspar, and  
pyrite, very calcareous, with some quartzite

290-305 Chlorite schist - light gray-green, calcareous; quartz,  
plagioclase, chlorite, sericite, and a few grains  
of pyrite

305-320 "

320-335 "

335-342 No sample

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Evington Group

Early Paleozoic

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 17, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2042

WWCR: 72

MAILING ADDRESS:

Box 3667

Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:

McCormick Road

Charlottesville, Virginia

OWNER: Virginia Wildlife Clubs, Inc. Mailing Address: Box 631, Springfield, Virginia

TENANT: Lake of the Woods, Wakefield Division Mailing Address: Chancellor, Virginia

Well #5

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Box 1476, Richmond, Virginia

WELL LOCATION: County Orange Approx. 50 <sup>feet</sup>~~miles~~ west (direction) of

Pine Drive and 250 <sup>feet</sup>~~miles~~ north (direction) of Antietam

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: October 4, 1967 DATE COMPLETED: October 11, 1967

TYPE OF DRILL RIG USED: Rotary No. 65 TOTAL DEPTH 342 feet

WATER LEVEL: Stands 14 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Submersible

Drawdown \_\_\_\_\_ feet

Rate 26-1/2 gal. per min.

Duration 8 hrs., \_\_\_\_\_ min.

WATER ZONES: from 80 to 81 feet

106 to 107  
from 110 to 127 feet

from 214 to 215 feet

HOLE SIZE: 9-7/8 inches from 0 to 24 feet

7-5/8 inches from 24 to 100 feet

5 inches from 100 to 342 feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 5 inches from 0 + 2 to 100 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other Subdivision

GROUTING: Method Pressure

Material cement and water Depth 100 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes  No \_\_\_\_\_

DRILL CUTTINGS SAVED: Yes  No \_\_\_\_\_

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: \_\_\_\_\_

(LOG OF WELL) OVER



LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: October 17, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Top soil	
1	3	Broken up rock	
3	5	Clay	
5	80	Solid gray granite	
80	81	Weathered rock	Water
81	106	Solid gray granite	
106	107	Weathered rock	Water
107	110	Solid gray granite	
110	127	Weathered granite	Water
127	156	Solid gray granite	
156	185	Weathered granite	
185	214	Solid gray granite	
214	215	Water entering	
215	342	Solid gray granite	

INTERVAL SHEET

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WWCR: 72

VDMR Well No: 2042

Date rec'd: 11/16/67

Sample Interval: from 0' to: 335'

PROP: Va. Wildlife Clubs, Inc.  
(Lake of Woods, Wakefield Division Well #5)

Number of samples: 22

COMP: Sydnor Hydrodynamics

Total Depth: 342'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water ~~X~~ Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	-	-
15 - 30	-	-	-
30 - 45	-	-	-
45 - 65	-	-	-
65 - 80*	-	-	-
80 - 95	-	-	-
95 - 110	-	-	-
110 - 125	-	-	-
125 - 140*	-	-	-
140 - 155	-	-	-
155 - 170	-	-	-
170 - 185*	-	-	-
185 - 200	-	-	-
200 - 215	-	-	-
215 - 230*	-	-	-
230 - 245	-	-	-
245 - 260	-	-	-
260 - 275	-	-	-
275 - 290	-	-	-
290 - 305	-	-	-
305 - 320*	-	-	-
320 - 335	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

\* unwashed samples only